

TECHNICAL DATA SHEET

All-in-One Double Wall Exhaust

DWKL

PRODUCT LINE

DWKL – All-in-One Double Wall Exhaust

APPLICATIONS

- For all DWKL-Lt and DWKL-Vt Applications where a heavier gage inner or larger diameter is required
- One example of application is on certain coffee roasters that spike above 1400F due to an afterburner used in cleaning the exhaust. Another example would be for large diameter exhausts extending vertically inside a structural mast or freestanding chimney
- Use DWKL-Lt and DWKL-Vt whenever possible, the thicker gage on this DWKL make it harder to install horizontally, but it still has the fastest vertical installation in the market



PURPOSE

- Factory built to eliminate welding in the field
- Assurance of finest quality and reliability
- Factory insulated for single trade installation

UL and ULC LISTINGS

1. UL-103 Standard, Building Heating Appliance Chimney (Industrial Type 540°C Chimney)
2. UL-103 Standard, Additional Type HT Listing at 2100°F
3. UL-2561 Standard, 1400°F Chimney Listing (Industrial Type 760°C Chimney)
4. UL-103 & UL-2561 Standards, Additional Positive Pressure Listing to 90" WC after 1400°F
5. UL-1978 Standard, Grease Duct (ULC-S662 Standard for Factory-Built Grease Ducts)
6. UL-1738 Standard, Venting Systems for Gas-Burning Appliances, Categories II, III & IV (ULC-S636 Standard for Type BH Gas Venting Systems)
7. UL-441 Standard, Gas Vents (ULC-S605 Standard for Gas Vents)
8. UL-641 Standard, Type L Low-Temperature Vent (ULC-S609 Standard for Low-Temperature Vents Type L)

MATERIALS

- Inner liner made of high-grade, 0.035" thick, 444 or 316L stainless steel
- 1.5" thick ceramic fiber compressed into a 1.25" space
- Outer jacket made of high-grade 304 stainless steel
 - 0.025" thick for diameters up to 24"
 - 0.035" thick for diameters over 24"
- All supports and accessories are stainless steel

CONNECTION/INSTALLATION DETAILS

- Conical 2.2" overlapping joint
- Requires tapping to fully engage
- Use KL-Paste, a ceramic and mineral oil-based manufacturing paste, to help facilitate an easy engagement
- Does not use silicone or sealant to make the high-pressure seal
- Outer jacket flashes over the one below, so sealant is not required on the outer jacket when exposed to weather



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SPECIFICATIONS

Diameters	6", 7", 8", 9", 10", 11", 12", 13", 14", 16", 18", 20", 22", 24", 26", 28", 30", 32", 34" & 36"
Available Lengths	9", 12", 18", 24", 30", 36", 42", & 48" (or any fixed length between)
Available Fittings	Any elbow or tee, over 80 catalog fittings per each diameter
Available Accessories	All-stainless supports, guides, hangers, and adapters – over 25 accessories per each diameter.

FEATURES

- All-stainless with Limited Lifetime Warranty
- Leak proof conical high-pressure joints
- Cut length available for maximum field flexibility
- Smooth flow and known resistance for perfected factory pressure calculations
- Low and man-safe skin temperatures
- Dramatically reduces clearance to combustibles

CONTROLLING DIMENSIONS

- Shows the minimum (and standard) inside gore dimensions for fittings
- Use these dimensions when ordering any special or custom part
- Jeremias encourages custom built items to provide the best solutions to our customers

